

KUMHO TIRE 

PRODUCT DATA GUIDE

MEDIUM COMMERCIAL TRUCK



MEDIUM COMMERCIAL TRUCK

6

STEER



KLS02e

6

STEER



KRS02e

7

STEER



KRS02

8

STEER



KRS03

9

STEER

DRIVE



KLD01e

10

DRIVE



KLD02e

11

DRIVE



KLD02

12

DRIVE



KRD01

13

DRIVE



KRD02

14

DRIVE



KRD03

15

DRIVE



943

16

ON/OFF HWY.



937

17

DRIVE

TRAILER
ALL-POSITION



KLT02e

18

TRAILER



KRT02

19

TRAILER

MEDIUM COMMERCIAL TRUCK CONT.

WIDE BASE



KMA02 **20**
ON/OFF HWY.



983 **21**
RIB

MIXED SERVICE



KMD41 **22**
ON/OFF HWY.



KMA01 **23**
ON/OFF HWY.



973 **24**
RIB



939 **25**
ON/OFF HWY.

TECHNICAL DATA

Medium Commercial Truck Tire Comparison Chart	28	Tire Sizing Standards	32
Medium Commercial Truck Tire Load and Inflation Table	29	P-Metric - ISO Metric	33
Functions of a Tire	30	Cold Inflation Pressure	33
D.O.T. Serial Number	30	Standard Load vs. Reinforced Load (RF) or Extra Load (XL)	34
UTQG: Uniform Tire Quality	30	Dual Load vs. Single Load	34
Tire Size/Load Index/Speed Rating	30	Medium Commercial Truck Tire Load Index Chart	35
Tire Sizing, Load & Inflation Standards	32		

WARRANTY POLICIES 36

MEDIUM COMMERCIAL TRUCK

Kumho Tire offers a wide selection of medium commercial tires for regional and local delivery trucks, long distance tankers and trailers, dump trucks, cement mixers and buses. Conventional and low profile designs and standard, deep, extra deep and shallow tread depths are available to match your exact application needs.



Kumho Tire Naming System

BRAND	APPLICATION	POSITION	CODE	EXAMPLE
K Kumho	L Line Haul	S Steer Axle Use	01	KLDO1 Line Haul Drive Use
	R Regional	D Drive Axle Use	02	KRSO1 Regional Steer Use
	C City Transit	T Trailer Use	03	KCAO1 City Transit Use
	M Mixed Service	A All-Position	04	KMDO1 Mixed Service Drive Axle
	F Off-road		THRU 99	KFAO1 Off-road All-Position Use
W Winter			KWAO1 Winter All-Position Use	



KLS02e

Premium Line Haul Steer

The KLS02e utilizes design and engineering advancements to deliver improved steering stability, even tread wear and maximum mileage over the life of the tire.

Special Features

- Increased heat dissipation at the belt edge and minimized irregular wear are advantages of the top decoupling groove design
- Increased removal mileage due to the dual tread design that optimizes both the footprint shape and contact pressure
- Outstanding wet handling performance, provided by the 5-rib, multi-sipe tread design
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- Stabilized footprint pressure and better wear because of optimized belt widths
- Increased removal mileage due to advanced tread compound molded at 19/32"
- 75 mph maximum speed for all sizes
- Kumho SmartWay verified tires use special, low rolling resistance tread cap & base compounds to improve wear and fuel economy



■ PRIMARY ■ PERMITTED



Tread Code KLS02e

Product Code	Tire Size	Speed Limit (mph)	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2140923	11R22.5	75	14/G	8.25	7.5	41.4	10.9	19.3	6175 @ 105	5840 @ 105	502	19	123.9
2141013	11R24.5	75	14/G	8.25	7.5	43.4	10.9	20.3	6610 @ 105	6005 @ 105	479	19	130.9
2140953	295/75R22.5	81	14/G	9.0	8.25	40.3	11.2	18.8	6175 @ 110	5675 @ 110	515	18	118.0
2141043	285/75R24.5	81	14/G	8.25	7.5	41.5	10.8	19.4	6175 @ 110	5675 @ 110	501	18	120.8

KRS02e

Premium Highway Rib, All-Position Use

A premium regional steer tire, the KRS02e features Tread Centering Groove Technology (TCG) for improved performance and tread wear uniformity. This outstanding all-position use tire was designed and engineered to meet the demanding requirements of regional and pickup and delivery applications.

Special Features

- Outstanding general purpose performance and all-position capable, featuring a non-decoupling groove and five-rib design
- Engineered and constructed for a long, original tread life with an improved 20/32 tread design
- Accurate toe-in setting provided by Tread Centering Groove Technology (TCG)
- Kumho SmartWay verified tires use special, low rolling resistance tread cap & base compounds to improve wear and fuel economy



■ PRIMARY ■ PERMITTED



Tread Code KRS02e

Product Code	Tire Size	Speed Limit (mph)	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2144923	295/75R22.5	75	14/G	9.00	8.25	40.4	11.2	19.0	6175 @ 110	5675 @ 110	515	20	116.1

KRS02

Premium Highway Rib, All-Position Use

A new generation premium highway tire, the KRS02 features Tread Centering Groove Technology (TCG) for improved performance and tread wear uniformity. This outstanding all-position use tire was designed and engineered to meet the demanding requirements of regional and pickup and delivery applications.

Special Features

- Outstanding general purpose performance and all-position capable, featuring a non-decoupling groove and five-rib design
- Engineered and constructed for a long, original tread life with an improved 20/32 tread design
- Accurate toe-in setting provide by Tread Centering Groove Technology (TCG)



■ PRIMARY ■ PERMITTED



Tread Code KRS02

Product Code	Tire Size	Speed Limit (mph)	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
6002423	9.00R20	65	14/G	7.00	7.50	40.2	10.0	18.9	5675 @ 115	5355 @ 115	517	19	100.2
6002383	10.00R20	65	16/H	7.50	8.00	41.4	10.9	19.4	6610 @ 120	6005 @ 120	502	20	118.9
1649613	10R22.5	75	14/G	7.50	6.75	40.2	10.0	18.9	5675 @ 115	5355 @ 115	517	19	100.7
2139113	11R22.5	75	16/H	8.25	7.50	41.4	10.9	19.4	6610 @ 120	6005 @ 120	502	20	121.4
1647313	12R22.5	75	16/H	9.00	8.25	42.8	11.6	20.2	7390 @ 120	6780 @ 120	485	21	134.3
1634813	11R24.5	75	16/H	8.25	7.50	43.4	10.9	20.4	7160 @ 120	6610 @ 120	479	20	129.5
1662513	285/75R24.5	75	14/G	8.25		41.5	10.8	19.5	6175 @ 110	5675 @ 110	501	20	117.7
1832413	255/70R22.5	75	16/H	7.50	8.25	36.5	9.7	17.0	5510 @ 120	5070 @ 120	569	18	92.3

KRSO3

Premium Regional Rib, All-Position Use

The KRSO3 is the perfect choice for regional and pickup and delivery applications. This all-position rib tire was designed ideally for small and medium duty trucks using 17.5", 19.5" and 22.5" tires.

Special Features

- Excellent cost-per-mile, outstanding stability and confident handling, benefits of a wide, deep and efficient tread pattern
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- Reduces progress of irregular wear due to lateral multi-sipes in the straight ribs
- Improved hydroplaning resistance and wet traction from S-shaped sipes in straight ribs
- Better traction and less stone holding is enhanced by variable geometry groove edges
- Primarily designed as a steer or trailer tire, the KRSO3 can be used in a drive position if necessary



■ PRIMARY ■ PERMITTED



Tread Code KRSO3



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1693913	8R17.5	75	10/E	6.00	5.25	30.8	8.1	14.2	2830 @ 90	2760 @ 90	675	15	49.4
1702613	225/70R19.5	75	12/F	6.75	6.00	32.0	8.7	14.8	3640 @ 95	3415 @ 95	650	16	62.2
1693213	245/70R19.5	75	14/G	7.50	6.75	33.3	9.6	15.4	4540 @ 110	4300 @ 110	625	16	75.3
1707913	265/70R19.5	75	14/G	7.50	8.25	34.2	10.1	15.9	5070 @ 110	4675 @ 110	608	17	82.9
1671013	315/80R22.5	65	18/J	9.00	9.75	42.4	12.1	19.7	8270 @ 120	7610 @ 120	490	20	148.3
1645913	315/80R22.5	65	20/L	9.00	9.75	42.4	12.1	19.7	9000 @ 130	8270 @ 130	490	20	148.3
2129753	225/70R19.5	75	14/G	6.75	6.00	32.0	8.7	14.8	3970 @ 110	3750 @ 110	650	16	63.3

KLD01e

Solid Shoulder Highway Drive

Engineered for line-haul drive tire applications, the KLD01e provides maximum removal mileage and outstanding driving stability. Utilizing natural inflated profile (NIP) technology in addition to advancements in tread design, provides excellent, long, even wear and trouble-free ownership. Highlights include solid shoulder ribs, three rows of lugs and a full 26/32" deep tread design.

Special Features

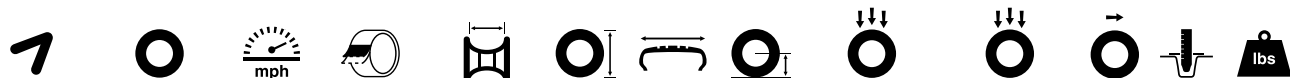
- Maximum resistance to uneven wear are benefits of the center lugs and solid shoulder design
- Outstanding stability and handling characteristics due to wide, 26/32" deep grooves
- Improved durability and resistance to uneven wear are the results of a new computer-developed mold shape
- All three center ribs feature stone damage protectors
- The KLD01e can also be used for shorter hauls or pickup and delivery service if uneven wear is a potential concern
- Kumho SmartWay verified tires use special, low rolling resistance tread cap & base compounds to improve wear and fuel economy



■ PRIMARY ■ PERMITTED



Tread Code KLD01e



Product Code	Tire Size	Speed Limit	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2140913	11R22.5	75	14/G	8.25	7.50	41.8	10.9	19.6	6175 @ 105	5840 @ 105	498	26	124.0
2141003	11R24.5	75	14/G	8.25	7.50	43.9	10.9	20.6	6610 @ 105	6005 @ 105	474	26	132.2
2140943	295/75R22.5	75	14/G	9.00	8.25	40.8	11.5	19.0	6175 @ 110	5675 @ 110	510	26	120.1
2141033	285/75R24.5	81	14/G	8.25		41.9	10.8	19.7	6175 @ 110	5675 @ 110	496	26	122.3

KLD02e

Premium Line Haul Drive

The KLD02e is a long running, maximum mileage tire. Advancements in casing and tread technology place it at the top of the list for line-haul and regional drive applications.

Special Features

- Excellent wet and dry traction due to its 30/32" molded rib/lug pattern and aggressive center rib buttons
- Outstanding traction and wear resistance are provided by the closed shoulder ribs with intermediate support blocks design
- Excellent traction provided by aggressive center rib buttons
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- Increased high-speed stability achieved through advanced casing profile which improves overall contact pressure
- Increased performance and removal mileage, benefits of our Integrated Component Optimization System (ICOS) technology and improved compounding
- 75 mph maximum speed for all sizes
- Kumho SmartWay verified tires use special, low rolling resistance tread cap & base compounds to improve wear and fuel economy



■ PRIMARY ■ PERMITTED



Tread Code KLD02e



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	Tread Depth (1/32")	Tire Weight (lbs)
2144903	295/75R22.5	75	14/G	9.0	8.25	41.1	11.5	19.1	6175 @ 110	5675 @ 110	506	127

KLD02

Premium Line Haul Drive

The KLD02 is a long running, maximum mileage tire. Advancements in casing and tread technology place it at the top of the list for line-haul and regional drive applications.

Special Features

- Excellent wet and dry traction due to its 30/32" molded rib/lug pattern and aggressive center rib buttons
- Outstanding traction and wear resistance are provided by the closed shoulder ribs with intermediate support blocks design
- Excellent traction provided by aggressive center rib buttons
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- Increased high-speed stability achieved through advanced casing profile which improves overall contact pressure
- Increased performance and removal mileage, benefits of our Integrated Component Optimization System (ICOS) technology and improved compounding
- 75 mph maximum speed for all sizes



■ PRIMARY ■ PERMITTED



Tread Code KLD02

Product Code	Tire Size	Speed Limit (mph)	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2106913	11R22.5	75	14/G	8.25	7.5	42.0	10.9	19.7	6175 @ 105	5840 @ 105	495	30	132
2105603	11R24.5	75	14/G	8.25	7.5	44.0	10.9	20.7	6610 @ 105	6005 @ 105	472	30	141
2104753	285/75R24.5	75	14/G	8.25	7.5	42.1	10.8	19.7	6175 @ 110	5675 @ 110	494	30	133

KRDO1

Deep, Non-Skid Solid Shoulder Regional Drive

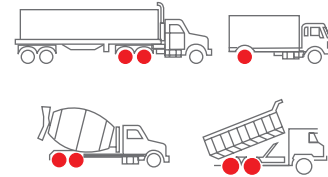
The KRDO1 was specifically designed and engineered for maximum tread life and long performance in high scrub, fast wear applications. A great choice for regional and pickup and delivery use, the tire's wider and flatter tread arc produces improved and more uniform tread wear characteristics.

Special Features

- Low running temps and long wear are achieved through improved compounding and an extra deep 28/32" tread pattern
- Even wear is optimized by a solid shoulder and center lug design
- Minimized stone holding and drilling, the benefits of engineered stone protectors
- Improved durability and overall wear because of a new mold shape featuring a flatter tread radius



■ PRIMARY ■ PERMITTED



Tread Code KRDO1



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1628113	11R22.5	75	16/H	8.25	7.50	41.9	10.9	19.7	6610 @ 120	6005 @ 120	496	28	130.3
1648113	11R24.5	75	16/H	8.25	7.50	43.9	10.9	20.7	7160 @ 120	6610 @ 120	474	28	138.7
1658013	295/75R22.5	75	14/G	9.00	8.25	40.9	11.2	19.2	6175 @ 110	5675 @ 110	509	28	122.0
1657913	285/75R24.5	75	14/G	8.25		42.0	10.7	19.8	6175 @ 110	5675 @ 110	495	28	126.8

KRD02

Wide TAW, High Mileage Drive

With its wide tread arc and flat tread radius the KRD02 was engineered for long wear and superior traction. A closed-pack 5-lug design features a modern pattern with S-shaped snipes and sturdy tread blocks, making it an over performer in regional and P&D service, as well as high scrub applications.

Special Features

- Maximum wear and traction characteristics, benefits of a close-packed, 5-lug design
- Optimized wear due to wide TAW and a flatter tread radius
- Excellent retreadability achieved by designing tie bars/stone protectors into every rib
- Sturdy, chip and chunk resistant tread blocks
- Exceptional overall performance utilizing a computer-designed, natural shape mold



■ PRIMARY ■ PERMITTED



Tread Code KRD02



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2100293	225/70R19.5	75	12/F	6.75	6.00	32.3	8.7	15.0	3640 @ 95	3415 @ 95	643	22	67.9
1664213	245/70R19.5	75	14/G	7.50	6.75	33.5	9.5	15.7	4540 @ 110	4375 @ 120	620	19	77.6

KRDO3

Deep, Non-Skid Traction Drive

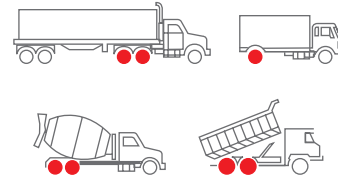
The KRDO3 is a full 26/32" deep tread, open shoulder tire that was designed to provide excellent traction and high original tread mileage in faster wearing applications. Engineered with close-packed, high-density center elements for maximized grip, wear and durability, the KRDO3 performs exceptionally well in regional/P&D applications where development of heel & toe or other uneven wear is not common.

Special Features

- High net-to-gross block design with wide TAW
- Sturdy, wear-and-tear resistant tread block engineering
- Extended durability and even wear optimized by a new, computer designed mold shape
- Exceptional casing stability and tread wear due to full, four belt design
- Long-term casing life and performance, benefits of high strength, flex and fatigue resistant ply wire construction



■ PRIMARY ■ PERMITTED



Tread Code KRDO3



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1683213	11R22.5	75	16/H	8.25	7.50	41.8	10.9	19.6	6610 @ 120	6005 @ 120	497	26	129.1
1698813	11R24.5	75	16/H	8.25	7.50	43.8	10.9	20.6	7160 @ 120	6610 @ 120	475	26	137.8

943

Balanced Performance Drive

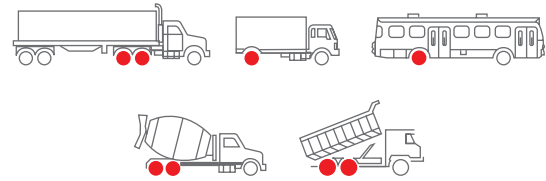
Developed to produce a greater balance between extended tread life, outstanding traction and increased rolling resistance, the 943 highlights advanced computer technology and tire engineering. Featuring four rows of lugs and higher net/gross contact area, this tire excels in a tandem axle application, or single axle drives where the ultimate traction of an open shoulder lug is not required and longer tread life is desired.

Special Features

- Exceptional wear and traction, benefits of the sturdy 22/32" four-lug design
- Reduced rolling resistance and even wearing performance results of a tie bar in the shoulder
- Reduced stone drilling optimized by stone damage protector in the center groove
- Outstanding tire life with special sidewall compounds and heavy-duty construction
- Increased casing stability due to four full-belt crown construction
- Long-term casing life and performance, benefits of high strength, flex and fatigue resistant ply wire construction



■ PRIMARY ■ PERMITTED



Tread Code 943



Product Code	Tire Size	Speed Limit	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
6001063	10.00R20	65	16/H	7.50	8.00	41.5	10.9	19.5	6610 @ 120	6005 @ 120	500	22	122.4
1413513	10R22.5	75	14/G	7.50	6.75	40.3	10.0	18.9	5675 @ 115	5355 @ 115	515	21	102.7
1250913	11R22.5	75	16/H	8.25	7.50	41.5	10.9	19.4	6610 @ 120	6005 @ 120	500	22	116.1
1251613	11R24.5	75	16/H	8.25	7.50	43.5	10.9	20.4	7160 @ 120	6610 @ 120	477	22	125.1
1417513	295/75R22.5	75	14/G	9.00	8.25	40.5	11.5	19.0	6175 @ 110	5675 @ 110	513	22	119.8

937

High Traction Drive

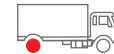
Developed for drive axle applications, the 937 is a 20/32" extra-deep tread workhorse, delivering outstanding traction and handling characteristics in all-season conditions.

Special Features

- High traction, aggressive tread design for drive-axle applications
- Maximum wear and grip with open shoulder, high net/gross tread engineering
- Outstanding performance and long life, benefits of a deep and wide tread design
- Low noise designed multi-pitch tread pattern



■ PRIMARY ■ PERMITTED



Tread Code 937



Product Code	Tire Size	Speed Limit	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1652413	225/70R19.5	75	12/F	6.75	6.00	32.3	8.8	15.0	3640 @ 95	3415 @ 95	642	20	63.7

KLTO2e

Shallow Rib, All-Position Use

Designed primarily as an over-the-road trailer tire, the KLTO2e delivers low rolling resistance, minimized irregular wear and increased element stability highlighting its shallow, non-skid, five-rib tread pattern. All four sizes feature decoupling grooves to reduce shoulder wear in highway service.

Special Features

- Low rolling resistance, minimized uneven wear and reduced running temps, benefits of the 13/32" five-rib design
- Confident wet traction enhanced by blading and lateral grooves
- Reduced uneven shoulder wear is the result of a round shoulder design with decoupling grooves
- Longer casing life due to high strength, flex/fatigue-resistant ply wire
- Can be used in steer positions, but in slow wear rate applications to minimize rolling resistance and irregular wear
- Kumho SmartWay verified tires use special, low rolling resistance tread cap & base compounds to improve wear and fuel economy



■ PRIMARY ■ PERMITTED



Tread Code KLTO2e

Product Code	Tire Size	Speed Limit (mph)	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2140933	11R22.5	75	14/G	8.25	7.50	40.8	10.9	19.0	6175 @ 105	5840 @ 105	509	13	105.8
2141023	11R24.5	75	14/G	8.25	7.50	42.9	10.9	20.1	6610 @ 105	6005 @ 105	484	13	113.3
2140963	295/75R22.5	81	14/G	9.00	8.25	39.8	11.2	18.6	6175 @ 110	5675 @ 110	422	13	101.2
2141053	285/75R24.5	81	14/G	8.25		40.9	10.8	19.1	6175 @ 110	5675 @ 110	508	13	105.2

KRT02

Trailer Tire

The KRT02 is a new, improved high-capacity trailer tire. Intended for high load service in regional and P&D applications. Speed limited to 62 mph. Rim must meet or exceed load and inflation capacity of the tire (MC rims).

Special Features

- Excellent cost-per-mile, outstanding stability and confident handling, benefits of a wide, deep and efficient tread pattern
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- Engineered for minimal irregular wear with lateral, multi-sipes
- Improved hydroplaning resistance and wet traction from S-shaped sipes in straight ribs
- Maximum safe speed: 62 mph



■ PRIMARY ■ PERMITTED



Tread Code KRT02

Product Code	Tire Size	Speed Limit (mph)	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1614813	215/75R17.5	62	16/H	6.00	6.75	30.5	8.5	14.3	4805 @ 125	4540 @ 125	682	16	59.3
1660213	235/75R17.5	62	18/J	6.75	6.00	31.5	9.4	14.7	6005 @ 125	5675 @ 125	660	17	66.4

KMA02

On/Off-Road Mixed Service

The KMA02 is designed with a wide footprint and provides improved stability. Stone ejectors in the center groove assure casing durability, and tie-bars between the tread blocks minimize uneven wear.

Special Features

- Increased durability and removal mileage optimized by an open shoulder design which migrates into a closed shoulder block joined by tie-bars
- Outstanding traction and high removal mileage, results of block stiffness and optimum contact patch engineering
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- 65 mph maximum speed for all sizes



■ PRIMARY ■ PERMITTED



Tread Code KMA02



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1687113	385/65R22.5	65	18/J	11.75	12.25	42.3	15.0	19.6	9370 @ 120		494	21	171
2109393	425/65R22.5	65	20/L	12.25	11.75	44.5	16.2	20.5	11400 @ 120		470	21	196
2109463	445/65R22.5	65	20/L	13.00	14.00	45.9	17.3	21.1	12300 @ 120		455	24	217

983

On/Off-Road Mixed Service

The 983 was engineered for high mileage, enhanced traction with exceptional tread wear. Designed for on/off-road applications with enhanced cut and chip resistance, this super single or duplex tire provides excellent flotation on construction vehicles.

Special Features

- Good treadwear, traction and cut resistance due to an aggressive 20/32" six-rib design
- Improved durability and resistance to uneven wear are the results of a new computer-developed mold shape
- Resists cutting and stone damage due to an extra-heavy undertread
- Cut and chip resistance comes from a special tread compound
- Improved sidewall durability from a new scuff rib design and special sidewall compound
- Longer casing life due to high strength, flex/fatigue-resistant ply wire



■ PRIMARY ■ PERMITTED



Tread Code 983



Product Code	Tire Size	Speed Limit	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1442813	385/65R22.5	75	18/J	11.75	12.25	42.3	15.0	19.6	9370 @ 120		495	20	166.5
1466313	425/65R22.5	75	20/L	12.25	11.75	44.3	16.2	20.5	11400 @ 120		472	20	192.0

KMD41

Premium On/Off-Road Mixed Service Drive

The new KMD41 was designed using Kumho Tire's ICOS (Integrated Component Optimization System). This proprietary technology optimizes tire casing shape, which redirects stress in critical areas. The result is maximum durability in a true mixed-service tire that delivers long tread life at highway speeds on paved roads and aggressive traction in off-road conditions. The new KMD41 is ideal for hauling refuse, construction operations or other extreme off-road heavy-duty applications.

Special Features

- Engineered for mixed service, non-speed restricted highway use - max 65 mph
- Maximum traction and tread wear performance utilizing an aggressive 31/32" multi-lug design
- Long, even wear in the drive axle position due to its optimized tread radius
- Outstanding resistance to cutting and chipping, benefits of a new compound technology
- Extremely durable with excellent retreadability, examples of Kumho's new ICOS proprietary technology
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention



■ PRIMARY ■ PERMITTED



Tread Code KMD41



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
2147103	11R22.5	65	16/H	8.25	7.50	41.9	10.9	19.7	6610 @ 120	6005 @ 120	496	30	132.2
2147123	11R24.5	65	16/H	8.25	7.50	43.9	10.9	20.7	7160 @ 120	6610 @ 120	473	30	140.4

KMA01

Premium On/Off Highway

The KMA01 is a purpose-built on and off road tire that provides excellent cut and chip resistance as well as exceptional overall wear characteristics. With a sturdy 4-rib design, the primary wheel positions for the KMA01 are steer and trailer.

Special Features

- Excellent removal mileage, the benefit of a durable, cut and chip resistant compound molded into a closed shoulder and block pattern
- Enhanced casing integrity and uniformity are the results of an advanced belt package, providing higher retread quality
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention
- Casing durability is also increased as is even, overall wear
- Driving stability and increased removal mileage are provided by superior bead strength and tire uniformity
- Maximum speed: 65 mph



■ PRIMARY ■ PERMITTED



Tread Code KMA01



Product Code	Tire Size	Speed Limit	Ply Rating/Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1825913	11R22.5	65	16/H	8.25	7.5	41.6	10.9	19.5	6610 @ 120	6005 @ 120	500	23	126.6
1826013	11R24.4	65	16/H	8.25	7.5	43.6	10.9	20.5	7160 @ 120	6610 @ 120	477	23	135.0
1885713	225/70R19.5	65	12/F	6.75	6.0	32.0	8.7	15.1	3640 @ 95	3415 @ 95	649	18	63.0
1804813	315/80R22.5	65	20/K	9.0	9.75	42.7	12.1	19.8	10200 @ 130	9090 @ 130	487	23	155.1

973

Premium Highway Rib, All-Position Use

The 973 was developed as an all-position, on/off-road rib tire. The 4-rib extra-deep tread pattern excels in providing good treadwear and cut/chip resistance in tough on/off-road service conditions. Large shoulder notches enhance traction under all conditions.

Special Features

- Enhanced traction comes from a beveled shoulder with extra deep shoulder notches
- Resists cutting and stone damage due to an extra-heavy undertread
- Cut and chip resistance comes from a special tread compound
- Outstanding tire life with special sidewall compounds and heavy-duty construction
- Increased casing stability due to a four full-belt crown construction
- Longer casing life due to high strength, flex/fatigue-resistant ply wire



■ PRIMARY ■ PERMITTED



Tread Code 973



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
1507213	12R22.5	65	16/H	9.00	8.25	42.8	11.5	20.0	7390 @ 120	6780 @ 120	485	23	139.0
1553013	11R22.5	65	16/H	8.25	7.50	41.6	10.8	19.6	6610 @ 120	6005 @ 120	500	22	123.0
1551113	11R24.5	65	16/H	8.25	7.50	43.6	10.8	20.6	7160 @ 120	6610 @ 120	477	22	131.1
1504513	315/80R22.5	55	20/L	9.00	9.75	42.6	12.1	20.0	9000 @ 130	8255 @ 130	488	23	143.8
6011243	12.00R24	65	20/L	8.50	8.00	47.2	11.9	22.2	9440 @ 120	9100 @ 120	441	20	167.7

939

Off-Road, Extra-Deep Tread, High Traction Drive

Developed for off-road use in the mining, logging and construction industries, the all-position 939 features an extra-deep, aggressive tread with exceptional cut and chip resistance.

Special Features

- Outstanding off-road tire with 40/32" extra deep tread design
- High traction, all-position capable with an aggressive high traction tread design
- Resistant to cutting and stone damage due to the extra heavy under-tread
- Long working life with extra heavy-duty four full-belt crown construction
- Outstanding durability in severe conditions, results of a reinforced bead area
- Cut and chip resistant super tough, 100% natural rubber tread
- 50 mph maximum speed for all sizes



■ PRIMARY ■ PERMITTED



Tread Code 939



Product Code	Tire Size	Speed Limit	Ply Rating/ Load Range	Rim STD	Rim APP	Diam. (in)	Section Width (in)	Static Loaded Radius (in)	Max Load (lbs) @ Cold Infl. Pressure (psi) Single	Max Load (lbs) @ Cold Infl. Pressure (psi) Dual	RPM	Tread Depth (1/32")	Tire Weight (lbs)
6002153	12.00R24	50	18/J	8.50	9.00	49.5	12.2	23.3	9370 @ 120	8540 @ 120	420	40	205.6

TECHNICAL DATA

Medium Commercial Truck Tire Comparison Chart	28	Tire Sizing Systems	32
Medium Commercial Truck Tire Load and Inflation Table	29	P-Metric vs. ISO Metric	33
Functions of a Tire.....	30	Cold Inflation Pressure	33
D.O.T. Serial Number	30	Standard Load vs. Reinforced Load (RF) or Extra Load (XL)	34
UTQG: Uniform Tire Quality	30	Dual Load vs. Single Load.....	34
Tire Size/Load Index/Speed Rating.....	30	Medium Commercial Truck Tire Load Index Chart.....	35
Tire Sizing, Load & Inflation Standards	32		



KLT02C

OHMHO



TECHNICAL DATA

Medium Commercial Truck Tire Comparison Chart

Brand	HIGHWAY SERVICE							ON & OFF-ROAD SERVICE			SPECIAL	
	Rib			Traction		Trailer		Rib/Lug	Deep Lug	Rib/Lug Wide Base	RIB (Trailer)	Traction (LT/Med Truck)
	Premium (Decoupler Rib)	Conventional	Low Profile	Conventional	Low Profile	Conventional	Low Profile					
Kumho Tires	KLS02e	KRS02	KRS02e	KRD01 KRD03 KLD01e KLD02e 943	KRD01 KRD03 KLD01e KLD02e	KLT02e	KLT02e	KMA01 973	KMD41 KFD04 939	983 KMA02	KRS03 KRT02	KRD02 937
Bridgestone	R280 R287A	R260F R250F	R260F R250F	M726EL M725 M710 M720 M770 M799	M726EL M725 M720 M770	R197 R196 R195	R197 R196 R195	M860 M853 M850 M844 M843	M775 L317 L320	M844F L315	R184 R250	M724F M729F
Continental	HSL2 Eco HSL2	HSR HSR2	HSR HSR2	HDL2E Eco HDL Eco HDR1 HD3	HDL2E Eco HDL Eco HDR1 HD3	HTL Eco HTL1	HTL Eco HTL1	HSC1 HMS45	HDC1 HD0	HTC1 HTR2	HTL2 Eco HTR2 HSR1 LSR1	HDR LDR1
Dunlop	SP384FM	SP348 SP160	SP348 SP160	SP431A SP464 SP456FM	SP431A SP464 SP456FM	SP193 SP160	SP193 SP160	SP581 SP832	SP881 SP932	SP281A SP231A	SP348	SP461
Firestone	FS590 FS591	FS560+ FS507+ FS590+	FS560+ FS507+ FS590+	FD690+ FD663 FD691 FD695	FD690+ FD663 FD691 FD695	FT455+ FT491	FT455+ FT491	T819 FS820	T831 FD835	T839	FS560	FD690 FD600
General	S581	S371	S371	D450 D445 D660	D450 D445 D660	ST250	ST250 ST250LP	Grabber OA	Grabber OD	Grabber OA WB	LMT400 LMT460	LMT450
Goodyear	G399LHS G399LHS FuelMax	G949RSA G662RSA G661	G949RSA G662RSA G661	G362LHD G282MSD G305LHD G338IAD G572LHD	G362LHD G282MSD G305LHD G338IAD G572LHD	G314LHT G316LHT G619RST	G314LHT G316LHT G619RST	G287 G288 G289	G177 G282 G741	G278 G296	G647 G149	G622
Michelin	XZA3+ XZA1+	XZE XZE2	XZE XZE2	XDA Energy XDA3 XDA5 XDEMS XDN2	XDA Energy XDA3 XDA5 XDEMS XDN2	XT1 XTA Energy X Line Energy	XT1 XTA Energy X Line Energy	XZY3	XZY3 X Works XD	XFE WB XZL WB XZY3 WB	XTA XTA2 XZE	XDE2+ XDS2
Toyo	M147 M137	M124Z M120Z M122 M154	M124Z M122 M154	M647 M610ZL M627 M657	M647 M610ZL M627 M657	M1402 M157	M1402 M157	M320Z	M506Z	M320	M1430	M608Z
Yokohama	RY617 101ZL	RY023 103ZR	RY023 103ZR	703ZL TY577 TY527 TY517 TY517MC2	703ZL TY577 TY527 TY517 TY517MC2	RY587	RY587	Y773 MY507 MY627W 501ZA	LY053	RY253 MY507A	RY103 RY023	TY303 TY287

TECHNICAL DATA

Medium Commercial Truck Tire Load and Inflation Table

Size		Load Limit (lbs) @ Cold Inflation Pressures (psi)													
		65	70	75	80	85	90	95	100	105	110	115	120	125	130
9.00R20	D	3,860 (D)	4,045	4,230	4,410 (E)	4,585	4,760	4,940 (F)	5,080	5,220	5,355 (G)				
	S	4,080 (D)	4,280	4,480	4,675 (E)	4,850	5,025	5,205 (F)	5,360	5,515	5,675 (G)				
10.00R20	D	4,380	4,580	4,760	4,950	5,205 (F)	5,415	5,625	5,840 (G)	5,895	5,950	6,005 (H)			
	S	4,530	4,770	4,990	5,220	5,510 (F)	5,730	5,950	6,175 (G)	6,320	6,465	6,610 (H)			
10R22.5	D	3,860	4,045	4,230	4,410 (E)	4,585	4,760	4,940 (F)	5,075	5,210	5,355 (G)				
	S	4,080	4,280	4,480	4,675 (E)	4,850	5,025	5,205 (F)	5,360	5,515	5,675 (G)				
11R22.5	D	4,380	4,580	4,760	4,950	5,205 (F)	5,415	5,625	5,840 (G)	5,895	5,950	6,005 (H)			
	S	4,530	4,770	4,990	5,220	5,510 (F)	5,730	5,950	6,175 (G)	6,320	6,465	6,610 (H)			
12R22.5	D	4,780	4,990	5,190	5,390	5,675 (F)	5,785	5,895	6,005 (G)	6,265	6,525	6,780 (H)			
	S	4,940	5,200	5,450	5,690	6,005 (F)	6,205	6,405	6,610 (G)	6,870	7,130	7,390 (H)			
11R24.5	D	4,660	4,870	5,070	5,260	5,510 (F)	5,675	5,840	6,005 (G)	6,205	6,405	6,610 (H)			
	S	4,820	5,070	5,310	5,550	5,840 (F)	6,095	6,350	6,610 (G)	6,790	6,970	7,160 (H)			
12.00R24	D	6,120	6,390	6,650	6,910	7,160	7,390 (G)	7,610	7,830	8,050 (H)	8,300	8,540 (J)			
	S	6,330	6,660	6,980	7,280	7,580	8,050 (G)	8,310	8,570	8,820 (H)	9,100	9,370 (J)			
215/75R17.5	D			3,195	3,350	3,490	3,645	3,800	3,950	4,100	4,245	4,395	4,540		
	S			3,375	3,540	3,695	3,860	4,020	4,180	4,340	4,495	4,650	4,805		
225/70R19.5	D	2,600 (D)	2,720	2,860	3,000 (E)	3,115	3,245	3,415 (F)	3,490	3,615	3,750 (G)				
	S	2,755 (D)	2,895	3,040	3,195 (E)	3,315	3,450	3,640 (F)	3,715	3,845	3,970 (G)				
235/75R17.5	D			3,970	4,170	4,365	4,555	4,745	4,935	5,125	5,310	5,495	5,675		
	S			4,200	4,410	4,615	4,820	5,025	5,225	5,420	5,620	5,810	6,005		
245/70R19.5	D	2,910	3,070	3,220	3,415	3,515	3,655	3,860 (F)	3,940	4,075	4,300 (G)	4,345	4,540 (H)		
	S	3,085	3,265	3,425	3,640	3,740	3,890	4,080 (F)	4,190	4,335	4,540 (G)	4,620	4,805 (H)		
255/70R22.5	D	3,415	3,585	3,765	3,970	4,110	4,275	4,410	4,455	4,610	4,675 (G)	4,915	5,070 (H)		
	S	3,640	3,815	4,005	4,190	4,370	4,550	4,675	4,895	5,065	5,205 (G)	5,400	5,510 (H)		
265/70R19.5	D	3,195	3,430	3,600	3,750	3,930	4,095	4,300 (F)	4,405	4,415	4,675 (G)				
	S	3,415	3,650	3,830	3,970	4,180	4,355	4,540 (F)	4,685	4,850	5,070 (G)				
285/75R24.5	D		4,340	4,540	4,740	4,930	5,205 (F)	5,310	5,495	5,675 (G)	5,860	6,175 (H)			
	S		4,770	4,940	5,210	5,450	5,675 (F)	5,835	6,040	6,175 (G)	6,440	6,780 (H)			
295/75R22.5	D	4,095	4,300	4,540	4,690	4,885	5,070 (F)	5,260	5,440	5,675 (G)	5,795	6,005 (H)			
	S	4,500	4,725	4,940	5,155	5,370	5,510 (F)	5,780	5,980	6,175 (G)	6,370	6,610 (H)			
315/80R22.5	D		5,345	5,675	5,840	6,070	6,395 (G)	6,545	6,770	6,940 (H)	7,210	7,610 (J)	7,910	8,270 (L)	
	S		5,875	6,175	6,415	6,670	6,940 (G)	7,190	7,440	7,610 (H)	7,920	8,270 (J)	8,690	9,090 (L)	
315/80R22.5 KMA01	D											8,270	8,690	9,090	
	S											9,090	9,650	10,200	
385/65R22.5	S	6,060	6,380	6,720	6,940	7,350	7,650	8,050	8,230	8,510	8,820	9,050	9,370 (J)		
425/65R22.5	S	7,210	7,590	7,990	8,270	8,740	9,100	9,370	9,790	10,100	10,500 (J)	10,700	11,400 (L)		
445/65R22.5	S	7,800	8,230	8,660	9,090	9,480	9,870	10,200 (H)	10,600	11,000	11,400	11,700	12,300 (L)		

TECHNICAL DATA

FUNCTIONS OF A TIRE

Any tire that is mounted on any vehicle has four basic functions.

Function #1: The tire supports the vehicle by holding air.

The air inside a tire is what supports a vehicle's load, not the tire itself. The tire's structure is made to contain the air that supports the weight of the vehicle.

Function #2: The tire maintains and changes vehicle direction.

The four tires, specifically the four postcard-sized patches of rubber that are in contact with the road surface, are what enable a driver to control the vehicle at any given moment. Changing or maintaining the direction of the vehicle is only possible because of the tires.

Function #3: The tire transmits braking and acceleration forces to the road.

Function #4: The tire absorbs shock from the road surface.

As a vehicle rolls over road surface irregularities, the tires constantly flex up and down, changing shape. The tires isolate the wheels from these irregularities and work with the vehicle's suspension to absorb shock.

D.O.T. SERIAL NUMBER

The D.O.T. serial number indicates that the tire is certified by the manufacturer to meet or exceed the standards of the U.S. Department of Transportation. Federal law provides that tire dealers can record the D.O.T. identification numbers along with the tire buyer's name and address.

D.O.T. H2Y0274TC0 3807

"3807" is the code that indicates the date of manufacturing. The first two digits represent the week and the last two, the year.

UTQG: UNIFORM TIRE QUALITY GRADING

The Uniform Tire Quality Grading, or UTQG information, appears on the sidewall of every tire and is required by the U.S. Department of Transportation. This information system indicates the relative tread wear, traction and temperature resistance performance of tires used in the United States. The tread wear grade is a comparative rating based on the wear rate of the tire when tested in a controlled environment.

A tire graded 400 should wear twice as well as a tire graded 200 in that environment. Comparisons tend to be more accurate when comparing tires of similar performance. Therefore, ultra-high performance tires should be compared to other ultra-high performance tires, touring tires to touring tires and so forth.

Traction grades range from AA—the highest—through C—the lowest standard. They represent a tire's ability to

stop on wet asphalt and concrete. Wet traction testing is done under straight line braking conditions. Temperature grades, also from highest to lowest, are A, B and C, with C being the minimum D.O.T. standard. They represent a tire's resistance to heat at high speeds and are relative to speed ratings.

TIRE SIZE/LOAD INDEX/SPEED RATING

This combination of numbers and letters designates a tire's size, load index and speed rating. This particular code is an example of the ISO-metric sizing system.

TIRE SIZE: SIZE MEASUREMENT/PROFILE/ASPECT RATIO

225/45R17

1. **225** - This three-digit size measurement indicates, in millimeters, the section width of a new tire with normal sidewalls, but not including protective side ribs, bars or decorations. The width measurement is assumed to be on the "design rim" as specified by the Tire and Rim Association (T&RA) or the European Tyre and Rim Technical Organization (ETRTO).
2. **45** - This two-digit number is a percentage amount that indicates a tire profile—the ratio of a tire's section width to its section height. The profile is also referred to as a "series," as in "a 45-series tire." In this example, the tire's profile is 45 percent of the 225-millimeter section width.

Long ago, 100-series tires were common, meaning the width and height were equal. Today, tires are wider—with aspect ratios between 25 and 80—because wider tires improve a vehicle's cornering and overall handling performance.
3. **R** - The R stands for "radial," referring to the tire's radial ply construction, which is the industry standard. Radial describes a pneumatic or inflatable tire structure in which the ply cords extend to the beads and are laid at 90 degrees to the centerline of the tread. The casing of a radial tire is stabilized by the circumferential steel belt package.
4. **17** - This two-digit number is the diameter of the rim, measured in inches. This tire has a rim diameter of 17 inches. Note that the measurement of a tire's rim diameter should always match the measurement of the wheel it is mounted on. There should be no variation, even by one-half inch. The practice of mounting tires on mismatched wheels is extremely dangerous and should not be attempted.

LOAD INDEX

1. The load index is a numerical code associated with the maximum weight one tire can carry at the speed indicated by its speed rating and its maximum inflation

TECHNICAL DATA

pressure. (The alphabetical speed rating appears immediately after the load index.)

2. Three factors determine the load index of a tire: the size of the air chamber between the tire and wheel, the strength provided by the tire's ability to hold air pressure and the actual amount of air pressure in the tire.

195/55R15 85V

3. **85** - The higher the tire's load index, the greater its load-carrying capacity. For example, a load index of 85 means that the fully-inflated tire in good condition can carry 1,135 pounds. The normal load index range for passenger car tires and light trucks is between 80 and 128.

Note that many tire models offer certain sizes with an "extra load" designation. This higher number indicates that the tire features extra reinforcement to increase the overall load capacity.

4. It's important to determine a customer's driving needs with regard to what is needed for a load capacity. An SUV used to take children back and forth to school will not require the same load-indexed tire as an SUV that's used for hauling or other industrial purposes. That knowledge will help your customers refine their choice of a tire that's right for their driving style... and their lifestyle.
5. The chart shows the range of load capabilities from 761 pounds to 3,690 pounds and the corresponding load indexes.

TRA (P-METRIC) LOAD CARRYING CAPACITY

Tire Size	kPa psi	180	200	220	240	250	Load Index
		26	29	32	35	36	
P235/50R17 P-Metric	Kg	600	635	665	690		95
	Lbs	1,323	1,400	1,466	1,521		

Tire load limits at various cold inflation pressures.

SPEED RATING

1. The speed rating indicates the maximum speed at which a tire can perform while carrying a load corresponding to its load index. A speed rating is based on tests performed on a tire in a controlled indoor environment, at a moderate temperature, with proper inflation, running straight without camber.
2. A tire's designated usage dictates its speed rating. Q ratings are common for off-road tires. Traditional passenger/touring tires are often S and T rated, while Z ratings are typical for performance tires. The most common ratings are S, T, H, V and Z.

3. A rating of Z was originally used to indicate a tire with a maximum performance capability of more than 149 miles per hour. The W and Y ratings were established later, when higher speed vehicle and tire capabilities became more widely available.
4. Tires with a maximum speed capability of 186 miles per hour have their service description presented as 275/40ZR17 93Y. Tires with a speed performance capability in excess of 186 miles per hour are indicated by the service description presented in parentheses.
5. (275/40ZR17 (93Y)*)
It's important for you to know that even though the tire industry refers to this quality indicator as a "speed rating," often in practical application a sale can be compromised due to this somewhat misleading term. That's why, as you educate your customers about Kumho products, it's critical that you make them understand the difference between "speed rating" and "performance."
6. As with nearly all tire manufacturers, Kumho designs its tires with full knowledge of the speed rating and takes steps to ensure the handling capabilities are matched to it. Therefore, a speed rating is correlated to performance. However, speed ratings do not sanction operation beyond what is permissible by law. Even in unrestricted environments, safety awareness, proper equipment and training is required for safe operation.
7. It's just as important to make your customers aware that a speed rating applies only to the tire, not to the vehicle on which the tire is mounted. However, it's important to equal or exceed the vehicle's OEM tire speed rating to preserve proper vehicle handling. Customers often resist the price of higher speed-rated tires because, as they often comment, "I don't drive that fast." However, tire specifications are an important component of the engineering that goes into a modern automotive chassis. Installing replacement tires that equal or exceed the specifications of the OE tires is critical in helping the vehicle maintain its maneuverability in emergency situations.
8. The chart on the next page offers you the complete range of speed ratings at a glance.

TECHNICAL DATA

SPEED SYMBOLS/RATINGS

Speed Symbol	Speed (km/h)	Speed (mph)	ZR*
A1	5		
A2	10		
A3	15		
A4	20		
A5	25		
A6	30		
A7	35		
A8	40		
B	50		
C	60		
D	65		
E	70		
F	80	50	
G	90	55	
J	100	62	
K	110	68	
L	120	75	
M	130	81	
N	140	87	
P	150	93	
Q	160	99	
R	170	106	
S	180	112	
T	190	118	
U	200	124	
H	210	130	
V	240	149	
W	270	168	ZR
Y	300	186	ZR
	Above 300 km/h	186+	ZR

*For tires with a maximum speed capability above 240km/h (149mph), a "ZR" may appear in the size designation. For tires having a maximum speed capability above 300km/h (186mph), a "ZR" must appear in the size designation and a Service Description, including the Y Speed Symbol, must be included in brackets.

Example:

Tire Size	Speed
P275/40ZR17	240km/h (149mph)
P275/40R17 93Y	300km/h (186mph)
P275/40ZR17 93Y	300km/h (186mph)
P275/40ZR17 (93Y)	Above 300km/h (186mph)

TIRE SIZING SYSTEMS

Not all tire sizing systems are alike. While the ISO-metric sizing designation is the most commonly used system in the United States, there are a total of nine used in the industry.

NUMERIC SYSTEM

8.25 - 16

The first system developed for sizing provided the nominal section width of a tire—8.25 inches in this example—and its rim diameter— 16 inches. The numeric system is still used today to measure some smaller tires, including those used for trailers.

ALPHA-NUMERIC SYSTEM

B78 - 13

With this system, a tire's load-bearing capacity, construction type, aspect ratio and rim diameter could be determined at a glance. The first letter is the load rating, ranging from "A" to "N." The closer the letter is to the end of the alphabet, the larger the tire size and the higher the load capacity. The "R" was added to the system later to denote radial belt construction. The center two-digit number introduced the aspect ratio for the first time, while the last two digits indicated the rim diameter.

METRIC SYSTEM

225/45R17

The metric system is the most common tire sizing system in use around the world. It is in essence a conversion of the old numeric system with a tire's section width measured in millimeters instead of inches. The components of the metric sizing system include the section width, the aspect ratio, the internal construction type—in this example, "radial"—and the rim diameter. In this system all the basic dimensions can be identified from the size.

MILLIMETRIC SYSTEM

235-710R460

The millimetric sizing system is the same as the basic metric system, with one difference: like the cross-section width, the rim diameter is also measured in millimeters. It's important to always mount a millimetric tire on a millimetric rim. A millimetric tire will not seat correctly at the bead on an inch-size rim designation, creating a safety hazard.

P-METRIC SYSTEM

P235/75R15

In order to have a more descriptive sizing system, the P-metric system was created. It is identical to the metric system except for the first letter. The "P" was added to indicate "passenger tire." For light trucks, the letters "LT" were added. In most cases, a metric tire can be substituted for a P-metric tire and vice versa. For example,

TIRE SIZING, LOAD AND INFLATION STANDARDS

Tire load inflation tables for passenger cars and light truck vehicles are based on numerous standards put forth by organizations including The European Tyre and Rim Technical Organization (ETRTO) (E.U.), The Tire and Rim Association (TRA) (U.S.A.) and The Japan Automotive Tyre Manufacturers Association (JATMA).

TECHNICAL DATA

a P195/75R14 tire is interchangeable with a 195/75R14. On low aspect ratio tires of 45 series or less, check the actual load index of the tire to confirm its suitability for the application.

ISO METRIC SYSTEM

235/45R17 94H

The ISO metric sizing system, developed by the International Standards Organization, adds an extra service description to the basic metric sizing system, providing two more valuable pieces of information to the customer: the tire's load index and speed rating. They are shown following the rim diameter measurement. In this example, the tire's load index is 94, which translates to a 1,477-pound capacity and its speed rating is H, which means it is certified for extended performance up to 130 miles per hour.

LIGHT TRUCK NUMERIC SYSTEM

7.50R16LT D

Like the basic numeric system for cars, the light truck numeric sizing system shows the internal construction as well as the section width and rim diameter in inches, but with the addition of the tire's designation for light truck use (LT). The letter "D" at the end of the size coding represents the load range of the tire.

LIGHT TRUCK HIGH FLOTATION SYSTEM

31X10.50R15LT C

The light truck high flotation sizing system is identical to the light truck numeric system, with the overall diameter, section width and rim diameter each measured in inches, but with the addition of the diameter of the full tire added to the beginning. The letter "C" represents the load range of the tire.

LIGHT TRUCK METRIC SYSTEM

LT265/75R16 C

The light truck metric system is similar to the P-metric system for passenger cars, except here the "P" prefix is replaced with the "LT" —Light Truck—designation. This indicates that the tire is suitable for the typically heavier loads of light truck usage. The letter "C" represents the load range of the tire.

P-METRIC VS. ISO METRIC (METRIC OR HARD METRIC)

Understanding the differences between P-metric and ISO metric is important in recommending the correct inflation pressure value. The TRA developed the P-metric and ETRTO developed ISO metric, or hard metric systems. As an example, a P235/50R17 95H can carry a maximum load of 1,521 lbs. @ 35 psi while 235/50R17 96W has a maximum load carrying capacity of 1,565 lbs. @ 36 psi. Tires with the same load index may carry the same load, however, there are exceptions. These exceptions will need different inflation values.

TRA VS. ETRTO (P-METRIC VS. ISO METRIC LOAD CARRYING CAPACITY)

Tire Size	kPa psi	180	200	220	240	250	Load Index
		26	29	32	35	36	
P235/50R17 P-metric	Kg	600	635	665	690		95
	Lbs	1,323	1,400	1,466	1,521		
P235/50R17 ISO-metric	Kg	545	595	640	685	710	96
	Lbs	1,202	1,312	1,312	1,411	1,566	

COLD INFLATION PRESSURE

One question often asked is, "When should I check my tire pressures?" Your tires should be checked when they are cold. The ideal situation is when a vehicle has been parked overnight. If this is not possible, the following parameters need to be followed: check tire pressures when the vehicle has been driven less than one mile, or after a trip, allow a three-hour cool-down period before the check.

PRESSURE UNIT CONVERSION TABLE

kPa	bar	psi	kg/cm ²
100	1.0	15	1.0
150	1.5	22	1.5
200	2.0	29	2.0
250	2.5	36	2.6
300	3.0	44	3.1
350	3.5	51	3.6
400	4.0	58	4.1
450	4.5	65	4.6
500	5.0	73	5.1
550	5.5	80	5.6
600	6.0	87	6.1
650	6.5	94	6.6
700	7.0	102	7.1
750	7.5	109	7.7
800	8.0	116	8.2
850	8.5	123	8.7
900	9.0	131	9.2
950	9.5	138	9.7
1000	10.0	145	10.2
1050	10.5	152	10.7

TECHNICAL DATA

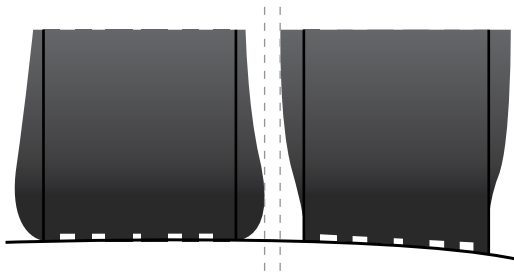
STANDARD LOAD VS. REINFORCED (RF) OR EXTRA LOAD (XL)

“Reinforced” and “extra load” terms are one and the same in meaning. Both indicate a tire’s ability, due to construction, to carry additional load capacity at higher inflation pressures compared to a tire that is stamped “standard load.”

DUAL LOAD VS. SINGLE LOAD

DUAL LOAD VS. SINGLE LOAD: DUAL APPLICATION FOR LIGHT TRUCK USAGE

On some vehicles two wheels and tires are mounted on each side of an axle. These applications are referred to as dual applications. When tires are mounted in a dual application, the max load of the tire is reduced compared to the same tire size mounted in a single application. The reason for the difference is to keep the tire sidewalls from making contact in a dual application when a vehicle is loaded. Another reason is due to the crown of the road that may cause the tires to reflect differently.



TECHNICAL DATA

Medium Commercial Truck Tire Load Index Chart *The Maximum Load a Tire Can Carry at Various Cold Inflation Pressures*

Load Index	kg	lbs.	Load Index	kg	lbs.	Load Index	kg	lbs.	Load Index	kg	lbs.
70	335	740	96	710	1,565	122	1,500	3,305	148	3,150	6,940
71	345	760	97	730	1,610	123	1,550	3,415	149	3,250	7,160
72	355	785	98	750	1,655	124	1,600	3,525	150	3,350	7,390
73	365	805	99	775	1,710	125	1,650	3,640	151	3,450	7,610
74	375	825	100	800	1,765	126	1,700	3,750	152	3,550	7,830
75	387	855	101	825	1,820	127	1,750	3,860	153	3,650	8,050
76	400	880	102	850	1,875	128	1,800	3,970	154	3,750	8,270
77	412	910	103	875	1,930	129	1,850	4,080	155	3,875	8,540
78	425	935	104	900	1,985	130	1,900	4,190	156	4,000	8,820
79	437	965	105	925	2,010	131	1,950	4,300	157	4,125	9,090
80	450	990	106	950	2,095	132	2,000	4,410	158	4,250	9,370
81	462	1,020	107	975	2,150	133	2,060	4,540	159	4,375	9,650
82	475	1,045	108	1,000	2,205	134	2,120	4,675	160	4,500	9,920
83	487	1,075	109	1,030	2,270	135	2,180	4,805	161	4,625	10,200
84	500	1,100	110	1,060	2,335	136	2,240	4,940	162	4,750	10,500
85	515	1,135	111	1,090	2,405	137	2,300	5,070	163	4,875	10,700
86	530	1,170	112	1,120	2,470	138	2,360	5,205	164	5,000	11,000
87	545	1,200	113	1,150	2,535	139	2,430	5,355	165	5,150	11,400
88	560	1,235	114	1,180	2,600	140	2,500	5,510	166	5,300	11,700
89	580	1,280	115	1,215	2,680	141	2,575	5,675	167	5,450	12,000
90	600	1,325	116	1,250	2,755	142	2,650	5,840	168	5,600	12,300
91	615	1,355	117	1,285	2,835	143	2,725	6,005	169	5,800	12,800
92	630	1,390	118	1,320	2,910	144	2,800	6,175	170	6,000	13,200
93	650	1,435	119	1,360	3,000	145	2,900	6,395			
94	670	1,475	120	1,400	3,085	146	3,000	6,610			
95	690	1,520	121	1,450	3,195	147	3,075	6,780			

Selection of Load Index numbers - select the Load Index number with the equivalent load of the tire (round up at mid-point). If the tire maximum load rating is only given in customary units, convert that load to kilograms and then select the closest Load Index equivalent (kg) load. (Data received from TRA)

WARRANTY POLICIES

CONSUMER LIMITED WARRANTY FOR KUMHO & MARSHAL BRAND MEDIUM COMMERCIAL TRUCK TIRES

I. WHAT IS WARRANTED AND WHO IS ELIGIBLE UNDER THIS WARRANTY

Kumho Tire U.S.A. Inc, 10299 6th Street, Rancho Cucamonga, California 91730, warrants to the original consumer purchaser that all KUMHO replacement radial tires either directly or through an authorized KUMHO dealer, and which are mounted on cars within the U.S.A., and becomes unserviceable for any reason within the manufacturers control, such tire will be replaced with an equivalent KUMHO tire.

WHAT IS COVERED BY THE WARRANTY AND HOW LONG:

The life of the original usable tread has worn down to 2/32" remaining (worn down to the built-in indicators in the tread grooves), before 6 years from the date of manufacture or purchase date supported with proof of purchase for every passenger and light truck tire (whichever comes first), and before 5 years (6 years for KLS02e, KLD01e and KLT02e patterns) from the date of manufacture or purchase date for commercial truck tires (whichever comes first), any new tire manufactured by Kumho Tire Co., Inc. covered by this warranty becomes unserviceable due to a material or workmanship condition, KUMHO will do either of the following:

- A. During the first 2/32" of the original usable tread, Kumho will replace such tire with a comparable new KUMHO or Marshal tire free of charge. Applicable taxes on the new tire and costs of mounting and balancing and any other service charges are payable by the owner.
- B. After the first 2/32" of the original usable tread, a credit percentage will be given toward the purchase price of a comparable new Kumho or Marshal tire effective at the time of adjustment. Applicable taxes on the new tire and costs of mounting and balancing service are payable by the owner.

To obtain the credit percentage, please refer to the Adjustment Credit Percentage Table on page 39 or utilize the following example:

R.T.D.: Remaining Tread Depth
O.T.D.: Original Tread Depth

If R.T.D. = **5** and O.T.D = **10**, the calculation is
(**5**-2: remaining useable tread depth) ÷
(**10**-2: original useable tread depth) = 38%

- c. **Temporary Spare Tire**
During the first 1/32" of the original usable tread, Kumho will replace such temporary tire with a comparable new Kumho temporary tire free of charge. After the first 1/32" of the original usable tread, but

less than 2/32", a credit of 50% towards a comparable new Kumho temporary tire will be given.

Applicable taxes and costs of mounting and balancing and any other service charges are payable by the owner.

- D. Adjustment on ride complaint or out-of-round is allowed only during the first 2/32" of the original tread depth.

WHAT IS NOT COVERED BY THE WARRANTY:

- A. This limited warranty is applicable only in the United States, and any tires used or equipped on a vehicle registered or operated outside the U.S. are not covered by this warranty.
- B. Tires branded or marked "Non-Adjustable (NA) or Blemished (Blem) or DOT/Serial numbers previously cut will not be adjusted.
- C. Any tire worn beyond the wear bars (less than 2/32" remaining tread).
- D. The cost of applicable taxes and mounting and balancing and any other service charges.
- E. Tire damage or irregular wear due to:
 1. Road hazard, including puncture, cut, impact break, bulge, snap, stone drill, collision.
 2. Continued use while run flat or under acute under-inflation.
 3. Improper use or operation, without limitation, improper inflation pressure, overloading, use of an improper rim, tire/wheel assembly imbalance or other vehicle condition, worn suspension components, improper mounting or de-mounting, misuse, misapplication, fire or other externally generated heat, water or other material trapped inside the tire during mounting, tire alteration, racing or competition purposes, improper inserting of sealant, balance or filler materials.
 4. Improper repair, or with repairs not conforming to the Rubber Manufacturers Association standards, or with section repairs, or with self-vulcanizing plug only.
 5. Failure to rotate the tire at least every 5,000 miles as evidenced by Kumho's Mileage Warranty/Tire Rotation Card or vehicle misalignment
 6. Uneven or rapid wear which is caused by mechanical irregularity in the vehicle such as misalignment (a measured tread difference of 2/32nds of an inch or more across the tread on the same tire).

WARRANTY POLICIES

- F. Ozone or weather cracking on tires over four (4) years from the date of the manufacture.
- G. Tires that have been recapped or retreaded or regrooved.
- H. Ride disturbance (out-of-round, vibration, pulling, etc.) claims submitted after the first 2/32" of tread wear.
- I. Loss of time, or use, inconvenience, or any incidental or consequential damage.
- J. Tires that have been modified by the addition or removal of material or any tire intentionally altered to change its appearance.
- K. Tires unserviceability caused by the tire operation in excess of tire/wheel manufacturers specifications and recommendations.
- L. Tires that are misapplied due to insufficient speed rating, or undersized, or oversized tires.
- M. Tires that have become unserviceable because chemical corrosion, vandalism, chains and flat spotting.
- N. Tires involved in any racing-related activities.
- O. This limited warranty applies only to the original purchaser and is non-transferable.

OWNER'S OBLIGATION:

In order to be eligible for KUMHO's limited warranty service the owner must:

- A. Present the tire to any authorized KUMHO dealer.
- B. Complete and sign a KUMHO warranty claim form, which is available at any authorized dealer.
- C. Pay the amounts due on a new tire, less the amount of credit, including taxes, mounting and balancing charges and/or the cost of other services ordered.

OTHER RIGHTS:

This limited warranty gives the owner of KUMHO tires specific legal rights and you may also have other rights, which vary from state to state.

II. CASING CREDIT

- 1. Casing of KUMHO radial commercial truck tires are warranted to remain serviceable through the second retreaded life for 66 months from the date of manufacture.
- 2. KLS02e, KLD01e, and KLT02e casing warranty is valid through the second retreaded life for 72 months from the date of manufacture.
- 3. If an examination by KUMHO shows that a casing of a KUMHO radial truck tire delivers unsatisfactory service due to factors within the manufacturer's control, KUMHO will give a credit toward the purchase price of a comparable new KUMHO tire in the amount indicated in the Casing Credit table.

Tire Size:

8.25R15, 7.50R16, 8R17.5
215/75R17.5, 235/75R17.5
225/70R19.5, 245/70R19.5
265/70R19.5, 285/70R19.5
8.25R16
255/70R22.5
9.00R20, 10R22.5
10.00R20, 295/80R22.5
11.00R20, 12.00R20
10.00R22, 11.00R22, 12.00R24
11R22.5, 295/75R22.5
11R24.5, 285/75R24.5
12R22.5, 315/80R22.5
385/65R22.5, 425/65R22.5,
445/65R22.5

- 4. Radial truck tires used in mining service are not eligible under this program.

III. REPLACEMENT WARRANTY

If you receive a replacement tire under this warranty, it will be covered by the manufacturer's warranty and the supplemental limited mileage warranty that Kumho Tire U.S.A., Inc., than gives on that tire.

THIS IS THE ONLY EXPRESS WARRANTY GIVEN BY KUMHO APPLICABLE TO KUMHO/MARSHAL REPLACEMENT TIRES. KUMHO DOES NOT MAKE ANY OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF MERCHANT ABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

KUMHO DOES NOT AUTHORIZE ANY OTHER PERSONS, INCLUDING AUTHORIZED DEALERS TO CHANGE THIS WARRANTY OR CREATE ANY OTHER OBLIGATION IN CONNECTION WITH KUMHO/MARSHAL TIRES. KUMHO WILL NOT DO ANYTHING OTHER THAN WHAT IS STATED IN THIS WARRANTY IF A DEFECT IS FOUND TO EXIST IN A KUMHO/MARSHAL REPLACEMENT RADIAL TIRE. ALL OTHER REMEDIES ARE EXCLUDED, INCLUDING ANY OBLIGATION OR LIABILITY ON THE PART OF KUMHO FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES (SUCH AS LOSS OF USE OF CAR, LOSS OF TIME OR INCONVENIENCE) ARISING OUT OF A DEFECT.

WARRANTY POLICIES

THE REMEDIES SET FORTH IN THIS LIMITED WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES FOR BREACH OF WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT MAY VARY FROM STATE TO STATE.

SAFETY WARNINGS

Property damage, serious personal injury or death may result if any of the following safety precautions/recommendations are not followed:

Driving on any underinflated tire is dangerous and may result in sudden tire destruction caused by excessive heat build-up. For replacement tires, your tire retailer should provide you with the proper inflation pressure. Otherwise, follow the air pressure recommendation found within your vehicle's owner manual or tire placard in your vehicle. If your replacement tire size is different from the original equipment tire size, ask your tire retailer for a revised air pressure recommendation guide in order to adequately support your vehicle's GVWR.

- Check the cold inflation pressure in all of your tires, including the spare tire, at least once every week and always prior to long distance trips. Failure to maintain the proper air inflation pressure may result in improper vehicle handling, and may cause rapid and irregular tire wear, reduction in tire durability, loss of vehicle control, or sudden tire failure that may lead to property damage, serious personal injury or death.
- Use an accurate tire gauge to check tire air pressures. Always maintain the proper recommended air inflation pressure in all tires. If there is an indication that one of your tires has lost four or more pounds of air pressure, immediately look for signs of penetration through the tire, valve leaks or wheel damage that may account for the air loss. You should also have your tires inspected by a tire retailer immediately.
- Air pressure should be checked when tires are cold (before they have been driven). ideally in the early morning. Driving, regardless of distance, causes tires to heat up and simultaneously increase air pressure.
- Never exceed the maximum inflation pressure for the tire.
- Never bleed air from hot tires as this may result in under-inflation.

Inspect your tires daily. If you notice any damage to your tires or wheels, replace them with a spare and immediately visit any tire retailer for advice. Driving over potholes, curbs, wood debris, metal, etc., can damage a tire and

should be safely avoided. Contact with such hazards requires an immediate and thorough tire inspection by your tire retailer.

- Always examine your tires for penetrations, bulges, cracks, cuts, and abnormal wear— particularly at the tire edges – which may be caused by, for example, vehicle misalignment or tire underinflation. Failure to properly control a vehicle when one or more tires are underinflated may result in an accident. Use of a damaged tire may result in rapid air loss, including sudden tire failure.
- An explosion of the tire/rim assembly may occur due to improper mounting. Only specially trained persons should mount tires.

Failure to store tires in accordance with the following recommendations may result in damage to your tires, reduction in tire durability, or sudden tire failure:

- Tires should always be stored in a cool, dry, clean, indoor environment. Tires contain waxes and emollients to protect their outer surfaces from ozone and weather cracking. As the tire rolls and flexes, the waxes and emollients continually migrate to the tire's surface, replenishing this protection throughout the normal and proper use of the tire. However, when tires sit outdoors and are unused for an extended period of time, the tire surface becomes dry, the tire may be susceptible to ozone and weather cracking, and the casing becomes susceptible to flat spotting.
- Surfaces on which tires are stored must be free from grease, gasoline, and other substances that could deteriorate the rubber.
- You should have a qualified technician check all tires where the Kumho Tire U.S.A., Inc. warranty policy period has lapsed, even if damage is not obvious.

Do not overload your tires. Driving on any overloaded tire is extremely dangerous and may result in an accident causing property damage, serious personal injury or death.

- The maximum load rating marked on the sidewall of any tire is based on the maximum speed of operation. Tires that are loaded beyond their maximum allowable loads for a particular application will generate increased and excessive heat that may cause sudden tire failure leading to property damage, serious personal injury or death.

©2013 Kumho Tire USA, Inc.

All specifications shown in this catalog cancel, supersede and replace those shown on prior dated catalogs and are subject to change without notice. Weights shown in this catalog are approximate and subject to change. Actual weights will be used at the time of shipment.

WARRANTY POLICIES

ADJUSTMENT CREDIT PERCENTAGE Percentage Kumho Tire Pays Based on Remaining Tread Depth

R.T.D. (Remaining Tread Depth)	O.T.D. (Original Tread Depth)																								
	8/32	9/32	10/32	11/32	12/32	13/32	14/32	15/32	16/32	17/32	18/32	19/32	20/32	21/32	22/32	23/32	24/32	25/32	26/32	27/32	28/32	29/32	30/32	31/32	32/32
2/32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3/32	35	14	13	11	10	9	8	8	7	7	6	6	6	5	5	5	5	4	4	4	4	4	4	3	3
4/32	50	29	25	22	20	18	17	15	14	13	13	12	11	11	10	10	9	9	8	8	8	7	7	7	7
5/32	63	43	38	33	30	27	25	23	21	20	19	18	17	16	15	14	14	13	13	12	12	11	11	10	10
6/32	75	57	50	44	40	36	33	31	29	27	25	24	22	21	20	19	18	17	17	16	15	15	14	14	13
7/32	100	100	63	56	50	45	42	38	36	33	31	29	28	26	25	24	23	22	21	20	19	19	18	17	17
8/32	100	100	100	67	60	55	50	46	43	47	38	35	33	32	30	29	27	26	25	24	23	22	21	21	20
9/32		100	100	100	70	64	58	54	50	48	44	41	39	37	35	33	32	30	29	28	27	26	25	24	23
10/32			100	100	100	73	67	62	58	53	50	47	44	42	40	38	36	35	33	32	31	30	29	28	27
11/32				100	100	100	75	69	64	60	56	53	50	47	45	43	41	39	38	36	35	33	32	31	30
12/32					100	100	100	77	71	67	63	59	56	53	50	48	45	43	42	40	38	37	36	34	33
13/32						100	100	100	79	73	69	65	61	58	55	52	50	48	46	44	42	41	39	38	37
14/32							100	100	100	80	75	71	67	63	60	57	55	52	50	48	46	44	43	41	40
15/32								100	100	100	81	76	72	68	65	61	59	57	54	52	50	48	46	45	43
16/32									100	100	100	82	78	74	70	67	64	61	58	56	54	52	50	48	47
17/32										100	100	100	83	79	75	71	68	65	63	60	58	56	54	52	50
18/32											100	100	100	84	80	76	73	70	67	64	62	59	57	55	53
19/32												100	100	100	85	81	77	74	71	68	65	63	61	59	57
20/32													100	100	100	86	82	78	75	72	69	67	64	62	60
21/32														100	100	100	86	83	79	76	73	70	68	66	63
22/32															100	100	100	87	83	80	77	74	71	69	67
23/32																100	100	100	88	84	81	78	75	71	70
24/32																	100	100	100	87	85	81	79	76	73
25/32																		100	100	100	88	85	82	79	77
26/32																			100	100	100	89	86	83	80
27/32																				100	100	100	89	86	83
28/32																					100	100	100	90	87
29/32																						100	100	100	90
30/32																							100	100	100
31/32																								100	100
32/32																									100

The authorized KUMHO or Marshal dealer will determine the adjustment cost by multiplying the percentage of the original usable tread worn by the current KUMHO or Marshal dealer's price list in effect at the time of adjustment.